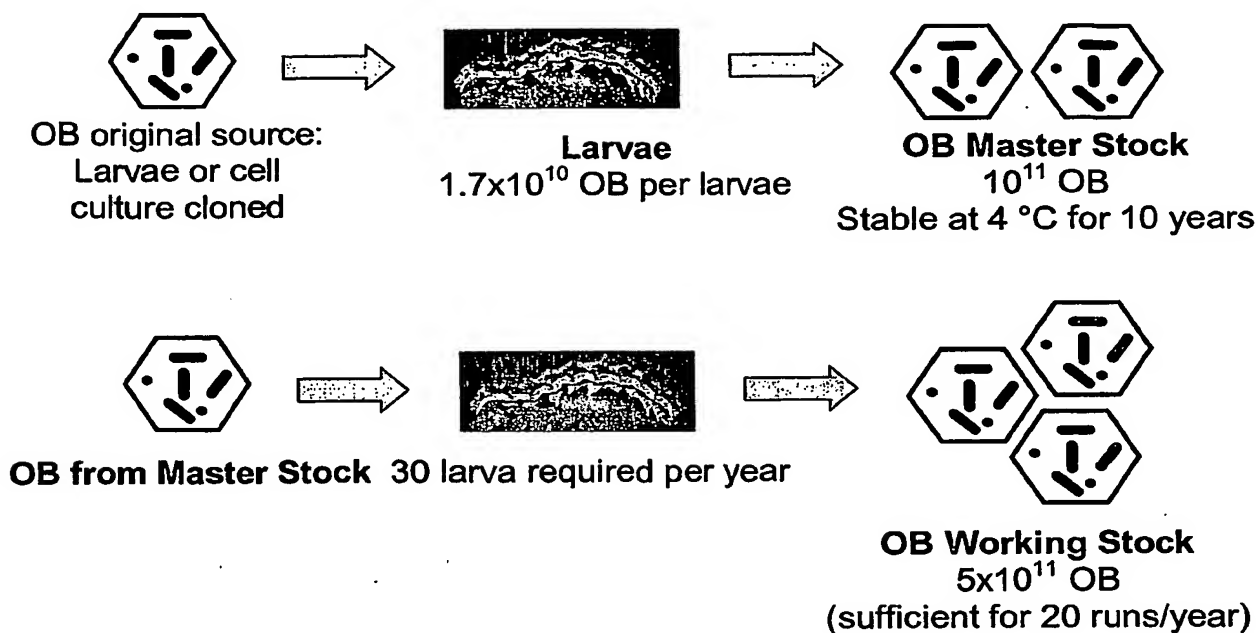
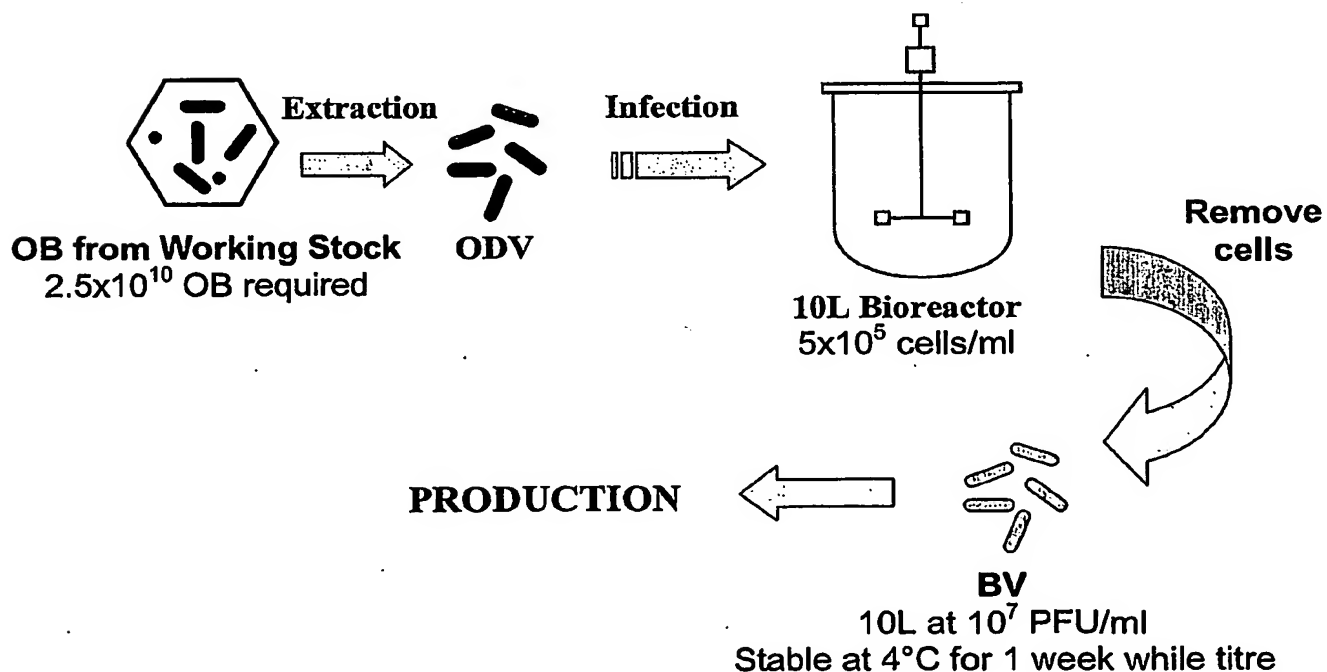


WO 2005/045014

PCT/AU2004/001549

FIG. 1

OB Stock Virus**ODV Extraction per run**

WO 2005/045014

PCT/AU2004/001549

FIG. 2**VPM3 MEDIA FORMULATION****SALTS**

Component	VPM 3 (MG/L)	VPM* (MG/L)
CaCl ₂	500	500
CoCl ₂ .6H ₂ O	0.05	0.05
CuCl ₂ .2H ₂ O	0.20	0.20
FeSO ₄ .7H ₂ O	1.70	1.70
KCl	1,200	1,200
MgSO ₄	918	918
MnCl ₂ .4H ₂ O	0.02	0.02
NaCl	2,700	2,700
NaHCO ₃	350	350
NaH ₂ PO ₄ .H ₂ O	1,160	1,160
(NH ₄) ₆ Mo ₇ O ₂₄ .4H ₂ O	0.04	0.04
ZnSO ₄ .7H ₂ O	0.04	0.04

SUGARS

Component	VPM 3 (MG/L)	VPM* (MG/L)
Glucose	8,000	8,000
Sucrose	3,000	3,000
Maltose	500	500
Trehalose *	500	0
Galactose *	300	0

AMINO ACIDS

Component	VPM 3 (MG/L)	VPM* (MG/L)
L-Cystine.2HCl	200	200
L-Lysine.HCl	300	300
L-Methionine	200	200
L-Asparagine	300	300
L-Glutamic Acid (Na)	3,000	3,000
L-Glutamic Acid (K)	3,000	3,000
Hy Pep Dev 4602	750	750

VITAMINS

WO 2005/045014

PCT/AU2004/001549

Component	VPM 3 (MG/L)	VPM* (MG/L)
Inosine	200	200
Choline Chloride	10	10
Vitamins IPL-41 (100X)	10 ml	10 ml

HYDROLYSATES

Component	VPM 3 (MG/L)	VPM* (MG/L)
Yeast Extract	3,000	3,000
Primatone	2,500	2,500
Hy Soy	500	500
Casein	500	500
Lactalbumin (Edamin S)	500	500

OTHER COMPONENTS

Component	VPM 3 (MG/L)	VPM* (MG/L)
Dextran T 10 *	50	0
Chitosin *	2.5	0
Glutathione (Reduced Na)	10	10
Glycerol	2,000	2,000

LIPIDS

Component	VPM 3 (MG/L)	VPM* (MG/L)
Cholesterol	4.5	4.5
Cod Liver Oil	12.5	12.5
Vitamin E acetate	3	3
Tween 80	25	25
Lecithin (Soya) *	4	0
ETOH (ml)	1.25	1.25
Pluronic Polyol F-68	900	900

Specifications:

pH: 6.2-6.3

Osmolarity: 355-375 mOsm/kg

VPM3 and VPM* are low cost serum-free media that we have trialled for the ODV extraction process and subsequent passages. These media are similar but not identical to baculovirus/insect cell culture media reported in the literature. The additives indicated with an asterisk are unique additives by us into VPM3. VPM3 works better than VPM* for the extraction process. Further optimisation of the media for the ODV extraction process is possible.

WO 2005/045014

PCT/AU2004/001549

FIG. 3

Table 1: Virus yield data of different ODV extractions

Number of OB used for extraction	Yield at passage 4 (OB per cell)
5×10^9 (100 OB per cell)	283
2.5×10^9 (50 OB per cell)	352
1×10^9 (20 OB per cell)	369
5×10^8 (10 OB per cell)	339
2.5×10^8 (5 OB per cell)	383

WO 2005/045014

PCT/AU2004/001549

FIG.4